

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 1-16-86				
Company Ross Carbonics Inc.				Connection					
Pool Bravo Dome				Formation Tubb				Unit	
Completion Date 2-4-84		Total Depth 2110		Plug Back TD		Elevation 4490		Farm or Lease Name Hayoz	
Csg. Size 7	Wt. 26	d	Set At 2165	Perforations: From 1992 To 2082		Well No. 4			
Thq. Size 2 7/8	Wt. 6.5	d	Set At 1962	Perforations: From To		Unit Sec. Twp. Rge. D 14 19N. 30E			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At 1962		County Harding		
Producing Thru Tubing		Reservoir Temp. °F 90 • 2037		Mean Annual Temp. °F 50		Baro. Press. - P _g 12.2		State New Mexico	
L 2037	H 2037	Gg. 1.529	% CO ₂ 100	% N ₂ 0	% H ₂ S 0	Prover	Meter Run 4.0	Taps Flanged	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	4.026	X	1.000	540							
1.	"	"	"	180	34	47	192.2	50			1 hr
2.	"	"	"	151	85	49	163.2	50			1 hr
3.	4.026	X	1.500	121	34	50	133.2	50			1 hr
4.	"	"	"	90	50	51	102.2	50			1 hr
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							323
2.							469
3.							611
4.							651
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas 1.529 X X X X X X X X
3.					Specific Gravity Flowing Fluid X X X X X
4.					Critical Pressure 1072 P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature 547 R _____ R

P _c 552.2	P _c ² 304.9			(1) $\frac{P_c^2}{P_e^2 - P_w^2} = 1.035$	(2) $\left[\frac{P_c^2}{P_e^2 - P_w^2} \right]^n = 1.0053$
NO.	P _e ²	P _w	P _w ²	P _e ² - P _w ²	
1		192.2	36.94	267.96	
2		163.2	26.63	278.27	
3		133.2	17.74	287.16	
4		102.2	10.44	294.46	
5					

Absolute Open Flow 654 Mcfd @ 15.025		Angle of Slope θ _____		Slope, n 0.152	
Remarks: _____					
Approved By Division _____		Conducted By: Mock Well Testing		Checked By: _____	

ILLEGIBLE

